



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

January 11, 2016

Iain Weatherston  
Agent to ChemTica Internacional S.A.  
ChemTica Internacional S.A.  
4061 North 156<sup>th</sup> Drive  
Goodyear, Arizona 85395

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment – removal of superfluous language, updated product label to bring into compliance with current labeling regulations and PRN's, update application details based on commercial experience over the last few years regarding lure density and spacing, and finally, to correct a mistake made in the calculation of spatial deployment of the pheromone dispensers in the Directions for Use section of initial submission (21 July 2015).  
Product Name: CTI-2003-1  
EPA Registration Number: 73813-1  
Application Date: 21 July 2015 & 2 October 2015  
OPP Decision Number: 507302 & 509852

Dear Dr. Weatherston:

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable.

This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR § 152.3.

Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the U.S. Environmental Protection Agency (EPA). If the website is false or misleading, the product will be

Page 2 of 2

EPA Reg. No. 73813-1

OPP Decision No. 507302 & 509852

considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA-approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions, please contact Cody Kendrick of my team by phone at (703) 347-0468 or via email at [kendrick.cody@epa.gov](mailto:kendrick.cody@epa.gov).

Sincerely,

A handwritten signature in blue ink that reads "Andrew C. Bryceland". The signature is fluid and cursive, with the first name being the most prominent.

Andrew Bryceland, Team Leader  
Biochemical Pesticides Branch  
Biopesticides and Pollution  
Prevention Division (7511P)  
Office of Pesticide Programs

Enclosure

**ACCEPTED**

01/11/2016

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 73813-1

**CTI-2003-1**

**A REPELLANT PHEROMONE PRODUCT FOR CONTROL OF THE DOUGLAS-FIR BEETLE**  
*Dendroctonus pseudotsugae*

**ACTIVE INGREDIENT**

3-methylcyclohex-2-en-1-one.....99.50%

**OTHER INGREDIENT**.....0.50%

TOTAL 100.00%

Each dispenser contains 400 milligrams of pheromone.

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

SEE BACK PANEL FOR FIRST AID STATEMENTS  
READ ALL DIRECTIONS BEFORE USING THIS PRODUCT

ChemTica Internacional S.A.  
Apdo. 159-2150  
San Jose, Costa Rica

EPA Registration No. 73813-1

EPA Est. No. 73813-CR-1

NET WEIGHT: \_\_\_\_\_ Grams

10 Dispensers containing 400 mg of pheromone per dispenser  
100 Dispensers containing 400 mg of pheromone per dispenser  
500 Dispensers containing 400 mg of pheromone per dispenser

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION**

Do not puncture liquid reservoir. Prior to use, open shipping bag in a well ventilated area and allow accumulated vapors to vent. Liquid is harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact of the liquid or vapors with skin, eyes, and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the bathroom.

**FIRST AID**

**IF LIQUID IS ON SKIN OR CLOTHING:**

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call poison control center or doctor for treatment advice.

**IF VAPORS ARE INHALED**

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible.
- Call poison control center or doctor for further treatment advice.

**IF LIQUID IS SWALLOWED**

- Call poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

**IF LIQUID OR VAPORS ARE IN EYES**

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses if present; after 5 minutes, then continue rinsing eye.
- Call poison control center or doctor for treatment advice.

Have product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the National Pesticide Information Center at 1-800-858-7378 for emergency medical advice.

**ENVIRONMENTAL HAZARDS**

For terrestrial uses: Do not apply directly to water or areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.

## DIRECTIONS FOR USE

**It is a violation of Federal law to use this product in a manner inconsistent with its labeling.**

1. **CROP:** Douglas-fir, Spruce
2. **PEST:** Douglas-fir beetle [*Dendroctonus pseudotsugae*]  
Spruce beetle [*Dendroctonus rufipennis*]
3. **APPLICATION RATE:**

CTI-2003-1 dispensers are for use in tree stands containing a significant proportion of Douglas-fir or spruce trees. Place CTI-2003-1 on trees over 8 inches in diameter on north face of tree at 6-12 feet above ground. Staple into flashing being careful not to puncture reservoir.

Individual trees and area 1 acre or less:  
Place 4 CTI-2003-1 on each tree depending on risk of attack and size of tree. For trees over 24 inches diameter, add 1 more CTI-2003-1 for each additional 8 inches in diameter.

Forested stands over 1 acre:  
Minimum dose – CTI-2003-1 / acre. For low to moderate beetle pressure, place 1 CTI-2003-1 / tree in a grid pattern with 32 ft centers or 2 CTI-2003-1 dispensers / tree in a grid pattern with 45 ft centers or CTI-2003-1 dispensers / tree in a grid pattern with 55 ft centers.

Maximum dose – 80 CTI-2003-1 / acre. For high to extreme beetle pressure, place 1 CTI-2003-1 / tree in a grid pattern with 23 ft centers or 2 CTI-2003-1 / tree in a grid pattern with 32 ft centers or CTI-2003-1 / tree in a grid pattern with 40 ft centers.
4. **TIMING:** Deploy CTI-2003-1 at least two weeks prior to the expected attack flight of the beetles. CTI-2003-1 dispensers emit effective amounts of MCH for 60 days.
5. **NOTES:** [i] For best results, remove all beetle-infested trees on property before application. Consider use of pheromone traps on perimeter to reduce population pressure.  
[ii] Treating larger areas gives a geometrical advantage in so far that Douglas-fir beetles repelled from an area endeavor to fly out of the repellent treated area and the larger the treated area, the more Douglas-fir beetles exhaust and die during flight.

### **STORAGE AND DISPOSAL STATEMENTS**

Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** Store in original container, in cool, dry area at 75°F (25°C) or below.

**PESTICIDE DISPOSAL:** Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill the container. Place empty bag in trash.

### **WARRANTY**

ChemTica Internacional, warrants that this product conforms to the chemical description on the label, ChemTica Internacional neither makes nor authorizes any agent or representative to make any other warranty of fitness or of merchantability, guarantee or representation, express or implied, concerning this material. ChemTica Internacional's maximum liability for breach of this warranty shall not exceed the purchase price of this product. Buyer and user acknowledge and assume all risks and liabilities resulting from the handling, storage and use of this product.